SUPPLEMENTAL EXPERIENCE STATEMENT
FOR
ELECTRONICS MECHANIC, WG-2604

The information requested on this form will be used to evaluate your qualifications for a position where certain knowledge, skills, and abilities are essential for satisfactory performance of the duties and responsibilities of the job. The information furnished in this form, along with other material submitted with an application, will be used by Section personnel involved in the rating/ranking of candidates; those involved in the making of recommendations for selection; the selecting official for the position; and other Section and/or Federal government personnel who may be involved in the inspection of the Section's personnel management program. Failure to complete and submit this form may result in an incomplete and improper evaluation. When this information is required as part of an application, failure to provide it will result in an "incomplete application".

INSTRUCTIONS: Legibly print in ink or use a typewriter when completing answers. Answer each item regarding your background, experience, and training. Answers should be based on actual work experience. If you use additional paper, be sure to identify the question you are answering by showing the element number you are continuing on the additional sheet.

NAME OF CANDIDATE: (LAST, FIRST, MIDDLE INITIAL)

I. KNOWLEDGE OF EQUIPMENT ASSEMBLY, INSTALLATION, REPAIR, ETC.

A. List all of the kinds of equipment which you have assembled, made, installed, tested, and or repaired.

B. How did you receive your assignments, and who inspected your work?

C. Are you considered to be an expert electronics mechanic that is called upon to do unusual or very difficult jobs? If “yes, “ describe the unusual or very complex jobs that you have accomplished.

II. USE OF TEST EQUIPMENT (ELECTRONICS)

For each device you can use, write the statement number form the following statements of experience and training:

1. Have used under close guidance.
2. Have used on one kind of component.
3. Have used on two or three kinds of components.
4. Have used in work in which responsibility was shared with other members of a team.
5. Have used where was fully responsible for results.
6. Have used for a variety of components in checking circuit values against specifications.
7. Have used extensively for analyzing complex circuits and have a very good knowledge of its capabilities and potential use.

Devises:	**Statement Number**
Basic Voltmeter, Ammeters, Ohmeters	_____
Digital Voltmeters	_____
R. F. Signal Generators	_____
A. F. Signal Generators	_____
Oscilloscopes	_____
Power Measuring Instruments	_____
Frequency Meters and Synchroscopes	_____
Bridges	_____
Instruments for Measuring VSMR	_____
Other Analyzers:	_____
Mechanical Measuring Devices	_____
Other Important Test Equipment	_____

Give examples of more complex devices you have used:

_____

_____

_____

_____

III KNOWLEDGE OF THEORY OF ELECTRONICS

Show below your courses in Electronics, Electricity, Schematics Interpretation, Physics, and Mathematics: (Include high school, trade school, military classes, correspondence courses, etc.)

TITLE AND DESCRIPTION	NAME AND ADDRESS OF SCHOOL	LENGTH	DATE(S)	GRADE

IV. KNOWLEDGE OF THEORY OF ELECTRICITY AND ELECTRONICS.

For each of the Groups of Knowledge below, write the statement numbers from the following list applying to your experience and training. If the statements you choose do not apply to some items in group, cross out these items and explain in box for **EXPLANATIONS**.

STATEMENTS OF EXPERIENCE AND TRAINING

1. **None.**
2. **Limited knowledge.**
3. **Have used knowledge in doing closely supervised work.**
4. **Have taken courses.**
5. **Have used this knowledge in circuit tracing, based on own judgement, on units of a system.**
6. **Have used it in work on own responsibility, including Isolating defective components, circuit tracing, and alignment of complete systems.**
7. **Have applied it to circuit tracing of complex electronic systems.**
8. **Have made mathematical analysis of circuits Involved.**
9. **Have taught this knowledge.**
10. **Other. (Specify)**

Continuation of IV

Group 1. Knowledge of : Atoms and Electricity; Eleotrostatics; Conductors and Insulators; Current Voltage and Resistance; Ohm's Law, Primary Cells; Secondary Cells; Series and Parallel Circuits; Kirchhoff's Law; Power and Work; Magnetism; Electromagnetism; Induces and Electromotive Force; Inductances; Alternating Current; Capacitance; Tuned Circuits and Resonance; Transformers; Generators; Electric Meters. Statement No(s)._____	Group IV. Knowledge of : Communications Systems; Continuous Wave Transmission; Amplitude Modulation; Radiation Pattern; Antennas. Statement No(s)._____
Group II. Knowledge of: Electron Tubes; Electron Emission; Diodes; Triodes; Mult-Electrod Tubes; Pentodes; Multi-Grid and Multi-Unit Tubes; Semi-Conductor Devices: Transistors; Controlled Rectifier; Tunnel Diodes; Zener Diodes. Statement No(s)._____	Group V. Knowledge of: Nonsinusoidal Waves and Applications: Limiting Circuits; Direct Current Restorers; Time Base Generators; Square Wave Generators; Oscillators; Counting Circuits; Wave Guides and Cavity Resonators; Klystrons; Cavity Magnetrons; Frequency Shift Keying; Single Side Band Techniques; Transmission Lines. Statement No(s)._____
Group III. Knowledge of Power Supplies; Single Phase Rectifiers; Polyphase Rectifiers; Filter Circuits; Voltage Dividers; Amplifiers; Vacuum Tube Oscillators; Solid State Oscillators and Amplifiers; Voltage Regulators. Statement No(s)._____	EXPLANATIONS:

V. ABILITY TO USE HAND AND POWER TOOLS - ELECTRONICS

Tell about any work or training which shows you can use hand and power tools such about any work or training which shows you can use hand and power tools such as saws, grinders, drills, soldering tools, etc. Tell about the type of work done, tolerances, operations, etc., which show your ability.

What work, if any have you done in the repair and adjustment of gear train drives or servomechanism of electromechanical equipment?

VI. TROUBLESHOOTING (ELECTRONIC EQUIPMENT)

For each kind of troubleshooting listed below, show your experience and training by writing the statement number from the following statements of experience and training.

STATEMENTS OF EXPERIENCE AND TRAINING

1. Have not done.
2. Have assisted.
3. Have done under guidance
4. Have shared responsibility with other team members
5. Have been Fully Responsible
6. Have done troubleshooting after other journeymen failed to locate source of malfunction.

Kind of troubleshooting	Statement of numbers
Replace minor components, using visual inspection to detect trouble.	
Troubleshoot an individual circuit with simple instructions.	
Troubleshoot common and recurring malfunctions.	
Troubleshoot with instruments in multi-unit system, determining which piece of the system is giving trouble.	
Use logical troubleshooting techniques, using a system in checking.	
Troubleshoot complex electronic equipment that is new to you, such as prototype or experimental systems, on the basis of instructional manual and drawings, using all test equipment.	
Troubleshoot a complete, integrated system requiring knowledge of the interaction of several subsystems.	
Troubleshoot complex electronic equipment under conditions of limited time.	

VII. INGENUITY (ABILITY TO SUGGEST AND APPLY NEW METHODS)

_____ Check each item listed below which applies to your experience and training:

_____ Have put new ideas into practice when fully explained.

_____ Have learned new techniques.

_____ Have suggested modifications in shop equipment and procedures to solve problems

_____ Have adapted shop equipment, procedures, and sequences of operation to unique or complex problems, such as fabrication of testing equipment, prototype models, experimental equipment, etc.

_____ Have contributed to design modification.

_____ Am familiar with projection principles.

VIII. ABILITY TO DO THE WORK OF THE POSITION

Read this general description of the work of the position and then mark below the one statement that most closely resembles our ability.

Duties: Works under the general supervision of the Powerhouse Superintendent. The primary duties of the position are to provide corrective and preventative maintenance to the generator exciters, turbine governors, instrumentation, annunciators, and other electronic components of the Power Plant. The incumbent installs, maintains, adjusts, troubleshoots, and repairs electronic and electrical equipment in the Powerhouse. Reads and interprets wiring diagrams and complex schematics used in the troubleshooting and repair of electrical and electronic (solid state) equipment; reads and utilizes manufacturers' maintenance and troubleshooting guides, technical specifications applicable to equipment in service, and all special instructions. Tests, calibrates, and makes repairs to solid state water flow equipment. Maintains

After completing this form, look it over carefully to make sure that you have answered every question. Be sure that you have given complete information about your experience.

CERTIFICATION:

I CERTIFY that all of the statements made in this form are true, complete and correct to the best of my knowledge and belief and are made in good faith.

_____ DATE:_____
(Signature of Applicant in Ink)